

AMENDMENTS TO THE CLAIMS

Please amend claims 1, 8, 12, 17, and 18, as follows.

1. (Currently Amended) A device for delivering an expandable prosthesis in a body lumen comprising:

an elongate body having a distal end and a lumen therethrough;

an expandable prosthesis; and

an expandable sheath releasably attached to the distal end of the body, the sheath having a distal opening and a lumen therethrough, the sheath ~~further~~ located distal to the expandable prosthesis when the expandable prosthesis is in the elongate body lumen, wherein the sheath is configured to receive an the expandable prosthesis when the expandable prosthesis is delivered outside of the elongate body lumen.

2. (Original) The sheath of claim 1 wherein the releasable attachment comprises an adhesive calibrated to detach from the elongate body when a sufficient expansion force is applied to the sheath by the expandable prosthesis.

3. (Original) The sheath of claim 1 wherein the releasable attachment comprises a circumferential perforation configured to detach from the elongate body when a sufficient expansion force is applied to the sheath by the expandable prosthesis.

4. (Original) The sheath of claim 1 further comprising perforations to allow blood porosity and to enhance distensability.
5. (Original) The expandable prosthesis of claim 1 comprising a stent.
6. (Original) The expandable prosthesis of claim 1 comprising a coil.
7. (Canceled)
8. (Currently Amended) A detachable prosthesis cover comprising:
a tubular member;
a prosthesis; and
a generally tubular sheath having a lumen therethrough and a proximal region of the sheath circumferentially surrounding a distal end of the tubular member, the sheath located distal to the prosthesis when the prosthesis is being delivered through the tubular member, wherein the sheath is configured to capture a the prosthesis delivered into the lumen and separate from the tubular member.
9. (Previously Presented) The prosthesis of claim 8 comprising a stent.
10. (Previously Presented) The expandable prosthesis of claim 8 comprising a coil.

11. (Previously Presented) The sheath of claim 8 further comprising perforations to allow blood porosity and to enhance distensability.
12. (Currently Amended) A method of delivering a prosthesis comprising:
providing a delivery system comprising a tubular member, a ~~tubular~~ sheath releasably affixed to the tubular member, a prosthesis, and an actuator for deploying the prosthesis;
advancing a distal end of the tubular member through a body vessel to a position within a human body;
delivering the prosthesis into a lumen of the sheath; and
deploying the prosthesis such that the sheath is positioned between the prosthesis and a vessel wall while maintaining a patent fluid path through the vessel.
13. (Previously Presented) The method of claim 12 further comprising detaching the sheath from the tubular member as the prosthesis is deployed.
14. (Previously Presented) The method of claim 12 wherein the prosthesis is deployed in an aneurysm.
15. (Original) The method of claim 13 wherein the prosthesis is deployed in an aneurysm neck.
- ~~17~~ 16. (Currently Amended) The expandable prosthesis of claim 1 comprising a wire having a pre-curved shape that forms upon delivery into the expandable sheath.

~~18~~ 17. (Currently Amended) The prosthesis of claim 8 comprising a wire having a pre-curved shape that forms upon delivery into the generally tubular sheath.